

D&D SUBGROUP MEETING MINUTES

August 6, 1996

Hanford Hot Cell and Glovebox Technology Demonstration (Keith Pauley)

In July 1996, DOE-RL submitted a proposal to METC to conduct a large-scale demonstration project for hot cells, plutonium-contaminated gloveboxes, and a high-level waste tank at the Hanford Site. The purpose of the proposal is to complete a demonstration of hot cell and glovebox D&D technologies that have broad applicability to similar facilities across the DOE Complex. DOE-RL proposes to use hot cell facilities in the 324 Building and plutonium-contaminated gloveboxes in the 325 Building for this demonstration. The proposed facilities have ongoing D&D efforts that could benefit significantly from the use of innovative D&D technologies.

The proposal was "blessed" by Lloyd Piper and submitted to METC on time. Keith feels that we have a good shot at getting some near-term funding from METC since there were only 6-8 proposals submitted. Winners will be selected by October 1, followed by a 3-month negotiation period. Shannon Saget took an action item to find out what other proposals were submitted and try to get copies or at least synopses of them.

It was suggested that detailed information on hot cells and gloveboxes be developed for dissemination to prospective vendors by ETP.

METC National D&D Needs Review (How Hanford Needs Ranked) (Shannon Saget)

Shannon Saget and Jim Goodenough represented Hanford at METC's National D&D Needs Review meeting in July 1996. Each site described their problems and technology needs, then the group scored the technology needs from a national perspective, using the Risk Data Sheet (RDS) criteria.

Shannon distributed copies of the final prioritization of D&D technology needs for the Complex. This priority listing will likely be used in reviewing the large-scale demonstration proposals. The national ranking ended up very similar to our Hanford ranking. We should review the national technology needs as we do the next round of technology needs prioritization for Hanford to make sure we don't overlook anything.

Last year our needs were aggregated at a very high level. We may want to break them out and get more details this year.

New Format/Process for Technology Needs Assessment (Shannon Saget)

The technology needs packages submitted to the Focus Areas by Hanford in January 1996 did not include all the data and information needed by the vendors and the Focus Areas. They need better descriptions of the problems and the technology needs, as well as technology performance requirements and schedule requirements. Even with better descriptions, the technology providers should interact with the Site representatives to be sure they get a good understanding of the needs.

Jackie Schmid will work on putting the D&D technology needs into the new format using the RDSs, the Multi-Year Program Plans (MYPPs), the Systems Engineering Baseline Plan, and other existing documents. The RDSs can be used to identify high-risk items that support our needs. Jackie will work with Rick Gonzalez and Dan Cartmell on the EM-60 needs, and with Jim Goodenough and Steve Pulsford on the EM-40 D&D needs.

If we request presentations from Site facility representatives during this year's technology needs assessment process, we should have a prepared set of questions to ask them (e.g., What are your current surveillance and maintenance costs? What are your baseline technologies?). Maybe we should limit our list of technology needs to gaps and "show-stoppers" this year rather than submitting a "wish list" to METC. We should not submit engineering needs, just true technology needs.

Next Meeting

The next meeting will be held on September 10 from 8:00 am - 12:00 pm in the ETB White Salmon River Room. Proposed agenda items include:

- U-Plant Large-Scale Demo Proposal (Jim Goodenough)
- Update on C-Reactor Cocooning Project (Steve Pulsford)
- Status Report on D&D Technology Needs Assessment (Jackie Schmid)
- 10-Year Plan and Strategy for D&D (both EM-60 and EM-40)